INSTRUCTIONS

-J01754 REV. 8-23-00

Kit Number 94667-00

CAM SUPPORT PLATE OIL CONTROL KIT

General

This kit is designed to fit 1999 and later Twin Cam 88™ engines.

Kit contents:

DESCRIPTION	PART No.
Screw, Self-Tapping	3844
Washer, Sealing	31433-84A
O-Ring	11301

NOTE

A Service Manual for your vehicle is available from your Harley-Davidson Dealer.

⚠WARNING

A SERVICE MANUAL IS NEEDED TO INSTALL THIS KIT. The rider's safety depends upon the correct installation of this kit. If the procedure is not within your capabilities or you do not have the correct tools, have your Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury.

Installation

⚠WARNING

To protect against shock and accidental start-up of vehicle, disconnect the battery cables, negative cable first, before proceeding. Inadequate safety precautions could result in death or serious injury.

⚠WARNING

Always disconnect the negative battery cable first. If the positive battery cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion which could result in death or serious injury.

1. Disconnect the battery cables, negative battery cable first.
2. Refer to the applicable Service Manual and remove the cam support plate.
3. Refer to Figures 1 and 2. Examine the right crankcase half and note the addition of a boss on the -99A crankcase.
4. If the boss is present, as shown in Figure 2, install the O-ring from the kit into position in the groove of the boss. Then install the cam support plate following instructions in the applicable Service Manual.

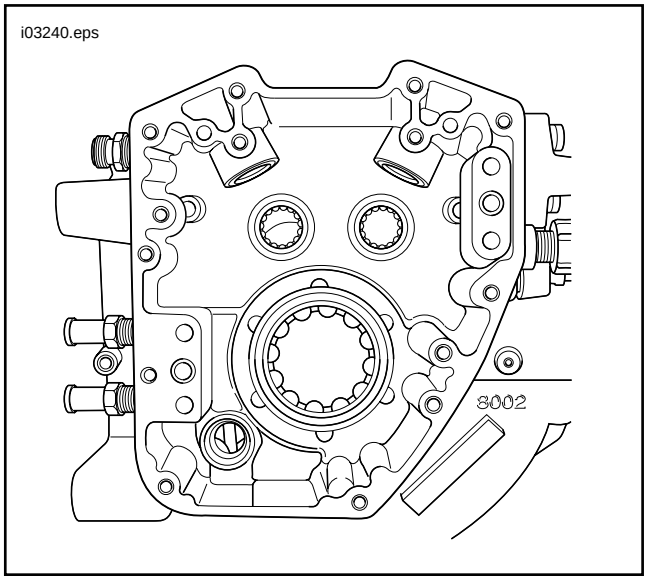

Figure 1. Right Crankcase Half -99

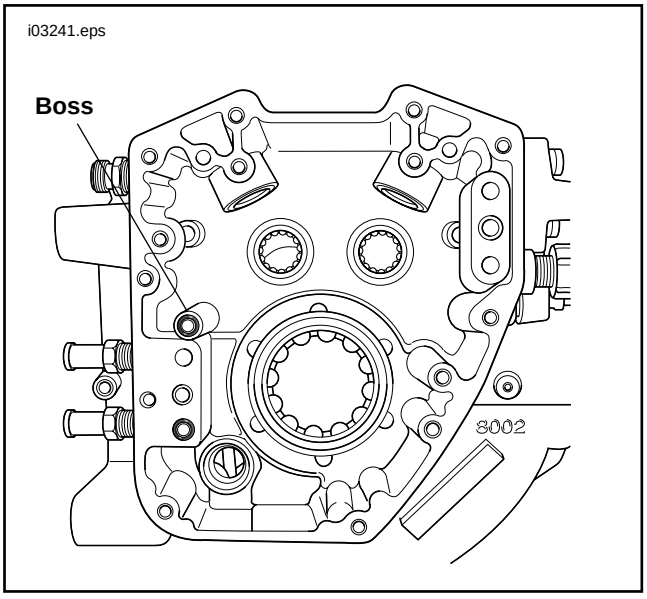

Figure 2. Right Crankcase Half -99A

NOTE

If you are installing a 1999 cam support plate as shown in Figure 5, no modification of the plate is required.

CAUTION

Do not install the screw and washer into the 2000 cam plate if the boss is present in the crankcase. If a screw and washer are installed with the boss and O-ring present in crankcase, when the cam plate is installed and tightened the crankcase/cam plate will be damaged.

5. If you are using the 2000 cam support plate as shown in Figure 3, and the boss is not present on the crankcase as shown in Figure 1, proceed as follows:

NOTE

Once the screw and washer are installed, they are not to be removed.

a. See Figures 3 and 4. Install screw and washer into proper hole of the cam support plate, as shown. Use LOCTITE THREADLOCKER 242 (blue) and torque screw to 35-55 **in-lbs**. (13.6-16.3 Nm).

b. Install cam support plate using the procedures from the applicable Service Manual.

⚠WARNING

Always connect the positive battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion which could result in death or serious injury.

6. Reconnect the battery cables, positive battery cable first.

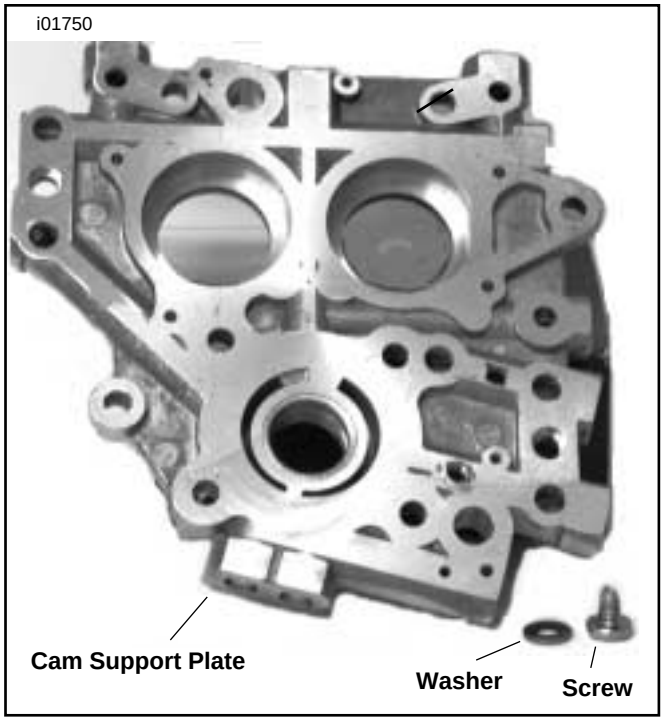

Figure 3. Cam Support Plate - 2000

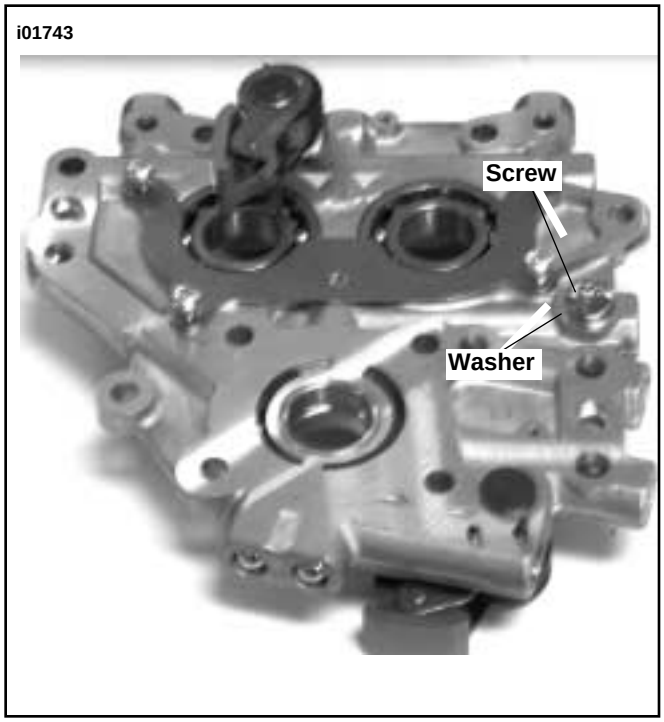

Figure 4. Cam Support Plate - 2000

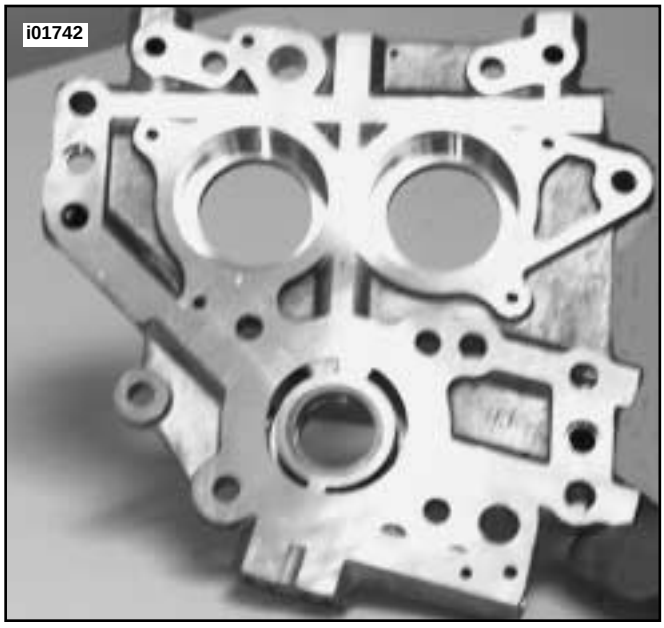

Figure 5. Cam Support Plate - 1999